

Serial No. 10/810,499
Amendment and Response to Office Action mailed September 25, 2006
RCE filed January 25, 2007

Filed: March 26, 2004

Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application.

LISTING OF CLAIMS:

1. – 4. (Canceled)

5. (Currently Amended) A terminal device, comprising:

processing means for detecting one of a predetermined set of events that cause operation of an application program to suspend, the processing means operable to generate event data representative of a cause of the suspension of the application program;

the processing means further operable to suspend operation of an application program when an event is detected; and

storage means for storing the event data generated by the processing means; wherein the processing means is further operable to resume operation of the application program suspended by the processing means; and

wherein the processing means is further operable to deliver the stored event data stored by the storage means to the resumed application program to adjust further operation of the resumed application program to be responsive to the cause of the suspension.

6. (Previously Presented) The terminal device of Claim 5, wherein:

the storage means is operable to store sets of event data each representing an event between the time period from the time of suspension of operation of the application program by the processing means and the time that operation of the application program is resumed by the processing means.

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7. (Previously Presented) The terminal device of Claim 5, further comprising communication means for communicating via a communication network, and wherein:
the processing means is operable to suspend operation of the application program when the communicating means receives a message designating a user of the terminal device.

8. (Currently Amended) A ~~program product for causing~~ computer device to execute the process of comprising:
a memory encoded with a computer program that is executable by a processor to cause:

detecting one of a predetermined set of events that cause operation of an application program to suspend;
suspending operation of the application program when an event is detected that is in the predetermined set of events;
generating event data representative of a cause of suspension of the application program;
storing the event data;
resuming operation of the application program that was suspended; and
delivering the event data to the resumed application program; and
displaying with the resumed application program a message related to the cause of the suspension based on the delivered event data for use therein.

9. (Currently Amended) A terminal device comprising:
a memory;
instructions stored in the memory to detect receipt of a first predetermined event;

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instructions stored in the memory to suspend operation of an application that is currently being executed;

instructions stored in the memory to store event data related to suspension of the application;

instructions stored in the memory to initiate resumption of execution of the application in response to a second predetermined event;

instructions stored in the memory to extract the stored event data; and

instructions stored in the memory to resume execution of the application, in accordance with the extracted event data; and

instructions stored in the memory to generate a message with the resumed application that notifies a user, to be indicative of the first predetermined event.

10. - 11. (Canceled)

12. (Currently Amended) The terminal device of claim 9-11, wherein instructions stored in the memory to generate a message comprises instructions stored in memory to generate a query to a user that is related to the first predetermined event.

13. (Currently Amended) The terminal device of claim 9-11, wherein instructions stored in the memory to generate a message comprises instructions stored in memory to generate a query to a user to launch another application to attend to the first predetermined event.

14. (Currently Amended) The terminal device as in claims 11, 12, or 13, wherein the message comprises an audio message.

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15. (Previously Presented) The terminal device as in claims 11, 12, or 13, wher cin the message comprises a text message.

16. (Previously Presented) The terminal device of claim 9, wherein the first predetermined event comprises receipt by the terminal device of an email or a call request.

17. (Previously Presented) The terminal device of claim 9, wherein the first predetermined event comprises receipt or transmission by the terminal device of data via a short range transmission.

18. (Previously Presented) The terminal device of claim 9, wherein the first predetermined event comprises execution of another application by the application.

19. (Previously Presented) The terminal device of claim 9, further comprising instructions stored in the memory to store event data for events that occur while the application is suspended, and instructions stored in the memory to provide notification of the events that occur while the application is suspended, when execution of the application is resumed.

20. (Previously Presented) The terminal device of claim 9, wherein the second predetermined event comprises a user command.

21. (Previously Presented) The terminal device of claim 9, wherein the second predetermined event comprises expiration of a determined time period.

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22. (Previously Presented) The terminal device of claim 9, wherein the second predetermined event comprises completion of the first predetermined event.
23. (Previously Presented) The terminal device of claim 9, wherein instructions stored in memory to suspend the application comprises instructions stored in the memory to, during the suspension, maintain application related data in volatile memory that was input by a user prior to the suspension.
24. (Previously Presented) The terminal device of claim 9, wherein instructions stored in memory to suspend the application comprises instructions stored in memory to maintain the suspended application in volatile memory during the suspension.
25. (Previously Presented) The terminal device of claim 9, wherein instructions stored in memory to store event data comprises instructions stored in memory to set an event flag indicative of the first predetermined event.
26. (Previously Presented) The terminal device of claim 9, wherein instructions stored in memory to store event data comprises instructions stored in memory to store an indicator of the first predetermined event and an identifier of the suspended application in a table.
27. (Previously Presented) The terminal device of claim 9, further comprising instructions stored in memory to store the application in volatile memory when the application is launched, and instructions stored in memory to suspend the application comprises instructions stored in memory to maintain the application in the volatile memory until execution is resumed.

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28. (Previously Presented) The terminal device of claim 9, further comprising instructions stored in memory to delete the stored event data when execution of the application is resumed.

29. (New) The terminal device of claim 5, further comprising display means for displaying information to a user, the display means operable to display a message related to the cause of the suspension, the resumed application program operable to generate the message in response to receipt of the delivered stored event data.